

CATALOGUE OF THE NAMES PUBLISHED BY
HECTOR LÉVEILLÉ: X*

D. F. CHAMBERLAIN

ABSTRACT. The species described by Léveillé belonging to the families Stylidiaceae, Goodeniaceae, Campanulaceae (incl. Lobeliaceae), Vacciniaceae, Ericaceae (incl. Clethraceae) and Epacridaceae are evaluated. Other species described in, but not belonging to, these families are also included. There are three new combinations and one new name: *Adenophora chanetii* (Lévl.) Chamberlain; *Adenophora tetraphylla* (Thunb.) Fischer var. *abbreviata* (Lévl.) Chamberlain; *A. tetraphylla* var. *hirsuta* (Fr. Schmidt) Chamberlain; and *Cyananthus albiflorus* Chamberlain.

INTRODUCTION

Following the usual practice in this catalogue, details of type specimens are not cited here when they have appeared in Rehder's work (*Journ. Arn. Arb.* 15, 1934; 18, 1937). However, all other specimens cited have been examined unless otherwise stated.

I am grateful to Dr J. Cullen for advice on the treatment of the lepidote Rhododendrons and to Mr L. A. Lauener for general guidance.

STYLDIACEAE

1245. *Stylium tenellum* Swartz in Mag. Ges. naturf. Fr. Berlin 1:51 (1807); Mildbraed in Engler, Pflanzenr. 35 (IV. 278): 35 (1908).

Epilobium tonkinense Lévl. in Bull. Herb. Boiss. sér. 2, 7:588 (1907).

N VIETNAM. Tonkin, près de Quang-Yen, dans les rizières après la moisson, 25 xi 1885, *Balansa* 1398 (iso. *E. tonkinense*, E.).

GOODENIACEAE

1246. *Scaevola chamissoniana* Gaudich. var. *caeruleascens* Lévl. in Fedde, Rep. Sp. Nov. 10:150 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Hanapepe, xii 1909, *Faurie* 659 (typus—n.v.).

1247. *Scaevola frutescens* (Miller) Krause in Engler, Pflanzenr. 54 (IV. 277): 125 (1912); Rock in Fedde, Rep. Sp. Nov. 13:353 (1914).

Lobelia frutescens Miller, Gard. Dict. ed. 8: (1768).

Scaevola fauriei Lévl. in Fedde, Rep. Sp. Nov. 10:150 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Koloa, xii 1909, *Faurie* 651 (typus—n.v.).

* Part I, Notes R.B.G. Edinb. 23:573–596 (1961); II, 73–78 (1962); III, 26:333–346 (1966); IV, 27:1–10 (1966); V, 27:265–292 (1967); VI, 30:239–294 (1970); VII, 31:397–435 (1972); VIII, 32:93–116 (1972); IX, 34:327–402 (1976).

1248. *Scaevola procera* Hillebr., Fl. Hawaiian Islands 268 (1888); Rock in Fedde, Rep. Sp. Nov. 13:353 (1914).

S. x blinii Lévl. in Fedde, Rep. Sp. Nov. 10:150 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Waimea, iii 1910, *Faurie* 661 (typus—n.v.).

CAMpanulaceae

1249. *Adenophora axilliflora* Borb. in Mag. Bot. Lapok 3:191 (1904); Hand.-Mazz., Symb. Sin. 7:1072 (1936).

A. sinensis DC. var. *pilosa* DC., Monogr. Camp. 354 (1830).

A. argyi Lévl. in Bull. Acad. Géog. Bot. 24:292 (1914); Lévl. in Mem. Real Acad. Cienc. Artes Barcelona, ser. 3, 12:545 (1916).

A. rotundifolia Lévl. in Bull. Acad. Géog. Bot. 24:292 (1914).

CHINA. Kiangsu: *d'Argy* s.n. (holo. *A. argyi*, E); Mei-Chen, mines d'étain à côté de Vou-Sié, *d'Argy* s.n. (holo. *A. rotundifolia*, E).

1250. *Adenophora bockiana* Diels in Bot. Jahrb. 29:605 (1901); Nannf. in Acta Horti Gotob. 5:15, t. 4 (1929).

Campanula cavaleriei Lévl., Fl. Kouy-Tchéou 57 (1914)—*nom. nud.*

CHINA. Kweichow: environs de Tou-Chan, ix 1899, *Cavalerie & Bodinier* 2697 (E).

The above specimen, cited by Léveillé under *C. cavaleriei*, agrees with material determined by Nannfeldt as *A. bockiana*, especially in its linear, serrate leaves and its serrate calyx lobes.

1251. *Adenophora chanetii* (Lévl.) Chamberlain, comb. nov.

Campanula chanetii Lévl. in Fedde, Rep. Sp. Nov. 9:450 (1911) & in Bull. Acad. Géog. Bot. 27:71 (1917).

CHINA. Hopei: montagnes de Fou-Ping, vi 1909, *Chanet* 426 (syntype E); Kia Chuan, viii 1910, *Chanet* 569 (syntype E).

Closely allied to *A. polymorpha* var. *chanetii* but distinguished by the flower branches and entire calyx lobes. *A. polyantha* Nakai is probably synonymous with *A. chanetii*.

1252. *Adenophora polymorpha* Ledeb. var. *chanetii* Lévl. in Fedde, Rep. Sp. Nov. 12:22 (1913).

CHINA. Hopei (Pé-Tché-Li), 1904, *Chanet* 570 (holo. E).

This taxon appears to be close to *A. wawreana* Zahlbr. and *A. chanetii* and may only be distantly related to *A. polymorpha* Ledeb. *sensu stricto*.

1253. *Adenophora taquetii* Lévl. in Fedde, Rep. Sp. Nov. 12:22 (1913); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:110 (1952).

KOREA. Quelpaert in petrosis, et sepibus Hallaisan, 2000 m, 25 viii 1911, *Taquet* 5775, 5776 (syntypes E).

1254-55 *Adenophora tetraphylla* (Thunb.) Fischer in Mém. Soc. Nat. Mosc. 6:169 (1823).

This is a wide-ranging polymorphic species. The resulting complexities in the nomenclature require the inclusion of synonyms for var. *tetraphylla* even though no Léveillé names are involved.

var. *tetraphylla*

Campanula tetraphylla Thunb., Fl. Jap. 87 (1784).

C. triphylla Thunb., l.c. (1784).

C. verticillata Pallas, Reise 3:719 (1776) non Hill (1765).

Adenophora verticillata (Pallas) Fischer in Mém. Soc. Nat. Mosc. 6:167 (1823); Lévl., Fl. Kouy-Tchéou 56 (1914); Hand.-Mazz., Symb. Sin. 7:1074 (1936).

A. radiatifolia Nakai in Bull. Nat. Sci. Mus. Tokyo 31:110 (1952).

1254. *Adenophora tetraphylla* (Thunb.) Fischer var. *hirsuta* (Fr. Schmidt) Chamberlain, comb. nov.

A. verticillata (Pallas) Fischer var. *hirsuta* Fr. Schmidt in Mém. Acad. Imp. Sci. St. Pétersb. 12, 2:155 (1868).

A. polymorpha Ledeb. var. *rhombifolia* Lévl. in Fedde, Rep. Sp. Nov. 12:22 (1913).

A. radiatifolia Nakai var. *hirsuta* (Fr. Schmidt) Nakai in Bull. Nat. Sci. Mus. Tokyo 31:110 (1952).

KOREA. Quelpaert: in herbidis Hioton, x 1909, Taquet 2964; in herbidis, ix, 1910, Taquet 4302 (syntypes of *A. polymorpha* var. *rhombifolia*, E).

1255. *Adenophora tetraphylla* (Thunb.) Fischer var. *abbreviata* (Lévl.) Chamberlain, comb. nov.

A. verticillata (Pallas) Fischer var. *abbreviata* Lévl. in Fedde, Rep. Sp. Nov. 12:22 (1913).

A. radiatifolia Nakai var. *abbreviata* (Lévl.) Nakai in Bull. Nat. Sci. Mus. Tokyo 31:110 (1952).

KOREA. Quelpaert: in herbidis Hsepieng, 6 ix 1911, Taquet 5771 (holo. E).

Because little is known of the geographical ranges and the degree of overlap of the two infraspecific taxa mentioned here, they have been left at varietal rank. Var. *abbreviata*, a constantly small variant which may be restricted to Korea, might be better treated as a subspecies.

1256. *Campanula colorata* Wall. in Roxb., Fl. Indica 2:101 (1824); Lévl., Cat. Pl. Yunnan 23 (1915).

C. nepetaefolia Lévl. & Van. in Lévl., Fl. Kouy-Tchéou 57 (1914), Lévl., Cat. Pl. Yunnan 23 (1915)—*nom. nud.*

CHINA. Kweichow: environs de Kouy-yang, I vi 1893, Bodinier 1668, 1668 bis; Tchen-fong, Tcha-tang, viii 1904, J. Esquirol 158, 525, 869.

The specimens cited above are mentioned by Léveillé & Vaniot under *C. nepetaefolia*. The Bodinier specimens are clearly *C. colorata*; the Esquirol material however, with its smaller, more densely hairy leaves, is nearer *C. cana* Wall.

1257. *Campanula fulgens* Wäll. in Roxb., *Fl. Indica* 2:99 (1824); Lévl., Cat. Pl. Yunnan 23 (1915).

C. bodinieri Lévl., *Fl. Kouy-Tchéou* 57 (1914), Cat. Pl. Yunnan 23 (1915) & in Bull. Acad. Géog. Bot. 27:71 (1917)—*nom. nud.*

CHINA: Kweichow: environs de Kouy-Yang, Bois de Chieñ-lin-cheñ, 20 vii 1899, *Bodinier* 2698; Tay Chang, viii 1904, *Esquirol* 160, 161; Oblique Tche sien, 3 xi 1904, *Esquirol* 309; Pin Fa, 25 vi 1902, *Cavalerie* 1277.

The above specimens, all at Edinburgh, were cited by Léveillé in *Fl. Kouy-Tchéou* under *C. bodinieri*.

1258. *Campanumoea javanica* Blume, *Bijdr.* 727 (1826); Hand.-Mazz., *Symb.* Sin. 7:1076 (1936).

C. labordei Lévl. in *Bull. Soc. Agric. Sci. Arts Sarthe* 39:323 (1904) reprinted in Fedde, *Rep. Sp. Nov.* 6:376 (1909), *Fl. Kouy-Tchéou* 57 (1914) & Cat. Pl. Yunnan 23 (1915).

CHINA. Kweichow: environs de Kouang chouen, bords de la route de Tsin-gay, 28 viii 1899, environs de Tsin-gay à Tchao-se, 7 ix 1899, *Laborde & Bodinier* 2899 (holo. *C. labordei*, E.).

1259. *Clermontia carinifera* Lévl. in Fedde, *Rep. Sp. Nov.* 12:505 (1913). HAWAIIAN (SANDWICH) ISLANDS. Kauai, Koloa, xii 1909, *Faurie* 10 (typus—n.v.).

1260. *Clermontia clermontioides* (Gaudich.) Heller in Minnesota Bot. Studies 1:906 (1897); Wimmer in Engler, *Pflanzenr.* 106 (IV.276b): 93 (1943).

Delissea clermontioides Gaudich., *Bot. Voy. Bonite* t. 47 (1842).

Clermontia gaudichaudii Hillebr., *Fl. Haw. Isl.* 243 (1888); Rock in Fedde, *Rep. Sp. Nov.* 13:354 (1914).

C. fauriei Lévl. in Fedde, *Rep. Sp. Nov.* 10:156 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Waimea, iii 1910, *Faurie* 578 (typus—n.v.).

1261. *Clermontia fulva* Lévl. in Fedde, *Rep. Sp. Nov.* 12:506 (1913). Rock in Fedde, *Rep. Sp. Nov.* 13:354 (1914).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Kauhao, iii 1910, *Faurie* 11 (typus—n.v.).

1262. *Clermontia parviflora* [Gaudich. ex] A. Gray in Proc. Am. Acad. 5:150 (1861); Rock in Fedde, *Rep. Sp. Nov.* 13:354 (1914); Wimmer in Engler, *Pflanzenr.* 106 (IV.276b): 79, 92 (1943) & 108 (IV.276c): (suppl.) f. 11b (1968).

Cyanea blinii Lévl. in Fedde, *Rep. Sp. Nov.* 10:156 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Hawaii, Glenwood, v 1909, *Faurie* 575 (typus—n.v.).

1263. *Codonopsis bulleyana* [Forrest ex] Diels in Notes R.B.G. Edinb. 5:171 (1912).

Cyananthus mairei Lévl., Cat. Pl. Yunnan 25 (1915).

CHINA. Kweichow, rochers du Io-chan, 3200 m, viii 1911, E. E. Maire s.n. (holo. *Cyananthus mairei*, E.).

1264. *Codonopsis convolvulacea* Kurz in Journ. Bot. (Lond.) 11:195 (1873); Lévl., Cat. Pl. Yunnan 24 (1915); Anthony in Notes R.B.G. Edinb. 15:177 (1926).

C. graminifolia Lévl., Cat. Pl. Yunnan 24 (1915).

CHINA. Yunnan, *sine loc.*, pâturages des mont, partout, 2400 m, vii 1911, E. E. Maire s.n. (holo. *C. graminifolia*, E.).

Shen et al. (in Acta Phytotax. Sin. 13, 3:54, 1975) refer *C. graminifolia* to *C. convolvulacea* var. *pinifolia* (Hand.-Mazz.) Anthony. The holotype sheet is mixed: part is clearly var. *convolvulacea*; part var. *pinifolia* and part is intermediate. An isotype, also at Edinburgh, is var. *pinifolia* exclusively.

1265. *Codonopsis forrestii* Diels in Notes R.B.G. Edinb. 5:171 (1912); Lévl., Cat. Pl. Yunnan 24 (1915); Anthony in Notes R.B.G. Edinb. 15:179 (1926).

C. mairei Lévl., Cat. Pl. Yunnan 24 (1915).

CHINA. Yunnan, haies, brousse, pâturages des montagnes à Ta-hai, 3200 m, vii 1911, E. E. Maire s.n. (holo. *C. mairei*, E.).

1266. *Codonopsis lanceolata* (Sieb. & Zucc.) [Benth. & Hook.f. ex] Trautv. in Acta Hort. Petrop. 6:46 (1879); Anthony in Notes R.B.G. Edinb. 15:188 (1926).

Campanumoea lanceolata Sieb. & Zucc., Fl. Jap. 1:174, t. 91 (1835).

Campanumoea japonica Sieb. & Morr., Belg. Hort. 337 (1863).

Codonopsis bodinieri Lévl., Fl. Kouy-Tchéou 57 (1914) & Cat. Pl. Yunnan 24 (1915).

CHINA. Kweichow, Kouy-Yang, mont. du Collège, gorges de Yang-Pa, brousse, 20 vii 1898, Bodinier 2437 (syntype *C. bodinieri*, E); Tsin Gai, Gai Kao-Po, ruisseau, 1903, Cavalerie 1180 (syntype *C. bodinieri*, E).

1267. *Codonopsis micrantha* Chipp in Journ. Linn. Soc. Bot. 38:382 (1908); Lauener in Notes R.B.G. Edinb. 31:430 (1972).

Campanumoea violifolia Lévl., Cat. Pl. Yunnan 24 (1915).

Melothria violifolia Lévl., l.c. 65 (1916).

CHINA. Yunnan, haies de la plaine de Tche-Hay, 2500 m, viii 1911, E. E. Maire s.n. (holo. *Campanumoea violifolia* E); haies de la plaine à Ta-Kao, 2500 m, viii 1912, E. E. Maire (holo. *M. violifolia*, E.).

1268. *Codonopsis tubulosa* Kom. in Acta Hort. Petrop. 29:112, t. 2, f. 3 (1908); Anthony in Notes R.B.G. Edinb. 15:182 (1926).

C. accrescenticalyx Lévl., Cat. Pl. Yunnan 24 (1915).

C. pilosa Chipp in Journ. Linn. Soc. (Bot.) 38:388 (1908).

C. macrocalyx Diels var. *coerulescens* Hand.-Mazz. in Anz. Akad. Wiss. Wien, Math.-Nat. Kl. 20:8 (1924).

CHINA. Yunnan, pâturages des montagnes à Tcha-Ho, 2600 m, vii 1912, E. E. Maire s.n. (holo. *C. accrescenticalyx*, E.).

1269. *Cyananthus albiflorus* Chamberlain, nom. nov.

Wahlenbergia mairei Lévl. in Fedde, Rep. Sp. Nov. 12:285 (1913).

Atropanthe mairei (Lévl.) Lévl. in Bull. Acad. Géog. Bot. 25:37 (1915).

Cyananthus mairei (Lévl.) Cowan in New Flora & Silva 10:188 (1938)—non Lévl. (1915).

CHINA. Yunnan, pâturages des h. plateaux à Ta-hai, 3200 m, vii 1912, E. E. Maire s.n. (holo. E.).

This species is close to *Cyananthus flavus* Marquand but differs in its white flowers, etc. (cf. Cowan, l.c.).

1270. *Cyanea coriacea* (Gray) Hillebr. var. *fauriei* (Lévl.) Wimmer in Engler, Pflanzenr. 106 (IV.276b): 72 (1943).

C. fauriei Lévl. in Fedde, Rep. Sp. Nov. 10:156 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Koloa, Waimea, 1000 m, xii 1909, iii 1910, *Faurie* 565, 591 (typus—n.v.).

1271. *Cyanea multispicata* Lévl. in Fedde, Rep. Sp. Nov. 10:157 (1911); Rock in Fedde, Rep. Sp. Nov. 13:354 (1914); Wimmer in Engler, Pflanzenr. 106 (IV.276b): 73 (1943).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Waimea, 1000 m, iii 1910, *Faurie* 576, 594 (typus—n.v.).

1272. *Cyanea salicina* Lévl. in Fedde, Rep. Sp. Nov. 12:505 (1913).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Kealia, i 1910, *Faurie* 569 (typus—n.v.).

1273. *Cyanea spathulata* (Hillebr.) Heller in Minnesota Bot. Studies 1:909, f.60 (1897); Rock in Fedde, Rep. Sp. Nov. 13:354 (1914); Wimmer in Engler, Pflanzenr. 106 (IV.276b): 72 (1943).

C. coriacea Hillebr. var. *spathulata* Hillebr., Fl. Haw. Isl. 254 (1888).

Rollandia fauriei Lévl. in Fedde, Rep. Sp. Nov. 12:506 (1913).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, Waimea, iii 1910, *Faurie* 568 (typus—n.v.).

1274. *Cyanea sylvestris* Heller in Minnesota Bot. Studies 1:909, f.66 (1897) var. *sylvestris*; Wimmer in Engler, Pflanzenr. 106 (IV. 276b): 61 (1943).

C. feddei Lévl. in Fedde, Rep. Sp. Nov. 10:156 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Kauai, i 1910, *Faurie* 567 (typus—n.v.).

1275. *Delissea fauriei* Lévl. in Fedde, Rep. Sp. Nov. 12:505 (1913).

HAWAIIAN (SANDWICH) ISLANDS. Molokai, ravins à Pukoo, v 1910, *Faurie* 572 (typus—n.v.).

Wimmer [in Engler, Pflanzenr. 106 (IV.276b): 45, 1943] considers that this species probably does not belong to *Delissea* as the type description refers to 'capsules'.

1276. *Lobelia cavaleriei* Lévl. in Fedde, Rep. Sp. Nov. 9:455 (1911).
CHINA. Kweichow: route de Pin-Fa à Tou-Yun, v 1908, *Cavalerie* 2989 (iso. E).

Léveillé (Fl. Kouy-Tchéou 58, 1914) later treated this name as a synonym of *L. affinis* Wall. The holotype has not been found and was not seen by Wimmer who treated *L. cavaleriei* as a 'species dubia'. The isotype seen is too poor even to be sure that it belongs to the *Campanulaceae*.

Lobelia esquirolii Lévl., = *Mazus aff. pumilus* (Burm. f.) van Steenis (Scrophulariaceae).

1277. *Lobelia seguinii* Lévl. & Van. in Fedde, Rep. Sp. Nov. 12:186 (1913); Lévl., Fl. Kouy-Tchéou 59 (1914); Wimmer in Engler, Pflanzenr. 107 (IV.276b): 648 (1943).

CHINA. Kweichow: environs de Houang-Ko-Chou, dans les hautes herbes de la montagne, 8 x 1898, J. Séguin (syntype, E); 31 iii 1904, *Esquirol* 6 (syntype, E)—referable to forma *longisepala* Wimmer.

REFERENCES FOR CAMPANULACEAE

Anthony, J. (1926). A key to the genus *Codonopsis* Wall. *Notes R.B.G. Edinb.* 15:173-190.
Shen, L., Tang, S., Yueh, S. & Hsien, C. (1975). The genus *Codonopsis* in Szechuan. *Acta Phytotax. Sin.* 13, 3:51-68.
Wimmer, F. E. (1943, 1957). Campanulaceae-Lobelioideae. *Engler, Pflanzenreich* 106, 107 (IV.276b): 1-813.

VACCINIACEAE

1278. *Vaccinium albidens* Lévl. & Van. in Fedde, Rep. Sp. Nov. 9:447 (1911) & Lévl., Fl. Kouy-Tchéou 154 (1914); Rehder in Journ. Arn. Arb. 15:283 (1934).
CHINA. Kweichow: *sine loc.*, vi 1902, *Esquirol* 379 (E).

The poor fruiting specimen seen falls between *V. pubicalyx* Franchet var. *anomalum* Anthony and *V. iteophyllum* Hance, with the smaller leaves and denser yellowish-villous indumentum of the young stems and leaf axes of the former and the broad cartilaginous leaf margin and very sparsely ciliate calyx lobes of the latter. Without flowering material, the exact affinities of *V. albidens* remain uncertain.

1279. *Vaccinium bracteatum* Thunb.; Lévl., Fl. Kouy-Tchéou 154 (1914); Nakai, Fl. Sylv. Kor. 8:58 (1919); Rehder in Journ. Arn. Arb. 15:282 (1934).
V. malaccense Wight in Calcutta Journ. Nat. Hist. 8:172 (1847); Rehder in Journ. Arn. Arb. 15:285 (1934).
Pieris divaricata Lévl. in Bull. Acad. Géog. Bot. 12:252 (1903).
P. ovalifolia (Wall.) G. Don var. *denticulata* Lévl. in Bull. Soc. Bot. Fr. 51:291 (1904).

P. lucida Lévl. in Bull. Soc. Bot. Fr. 53:207 (1906), in Fedde, Rep. Sp. Nov. 3:263 (1907) & Fl. Kouy-Tchéou 150 (1914).
P. coreana Lévl. in Fedde, Rep. Sp. Nov. 5:281 (1908).
P. fauriei Lévl., l.c. 5:281 (1908).
V. taquetii Lévl., l.c. 12:182 (1913).

Vaccinium cavaleriei Lévl. & Van. = *Schoepfia jasminodora* Sieb. & Zucc. (Oleaceae).

1280. *Vaccinium dunalianum* Wight var. *urophyllum* Rehder & Wilson; Lévl., Cat. Pl. Yunnan 94 (1916); Rehder in Journ. Arn. Arb. 15:286 (1934).

Pieris martini Lévl. in Bull. Acad. Géog. Bot. 12:252 (1903); in Bull. Soc. Bot. Fr. 53:204 (1906) & Fl. Kouy-Tchéou 150 (1914).

1281. *Vaccinium fauriei* Lévl. in Fedde, Rep. Sp. Nov. 10:152 (1911)—non (1913).

HAWAIIAN (SANDWICH) ISLANDS. Molokai, Kamolo, vi 1909, *Faurie* 700; Hawaii, Maunakea, 2000 m, vii 1909, *Faurie* 702 (syntypes—n.v.).

Rock (in Fedde, Rep. Sp. Nov. 13:356, 1914) considers that *V. fauriei* might only be a form of *V. reticulatum*. See addendum.

1282. *Vaccinium foetidissimum* Lévl. & Van. in Fedde, Rep. Sp. Nov. 9:447 (1911); Lévl., Fl. Kouy-Tchéou 154 (1914); Rehder in Journ. Arn. Arb. 15:286 (1934).

Anisophyllea cavaleriei Lévl., Fl. Kouy-Tchéou 344 (1915).

1283. *Vaccinium fragile* Franch. (incl. var. *myrtifolium* Franch.); Lévl., Cat. Pl. Yunnan 94 (1916); Hand.-Mazz., Symb. Sin. 7:796 (1936); Rehder in Journ. Arn. Arb. 15:286 (1934), op. cit. 18:231 (1937); Sleumer in Bot. Jahrb. 71:455 (1940).

Pieris repens Lévl. in Bull. Acad. Géog. Bot. 12:252 (1903), in Bull. Soc. Bot. Fr. 53:205 (1906), Fl. Kouy-Tchéou 150 (1914) & Cat. Pl. Yunnan 87 (1916).

Pieris gagnepainiana Lévl. in Bull. Acad. Géog. Bot. 12:251 (1903), in Bull. Soc. Bot. Fr. 53:205 (1906) & Cat. Pl. Yunnan 87 (1916).

V. repens (Lévl.) Rehder in Journ. Arn. Arb. 15:283 (1934).

1284. *Vaccinium japonicum* Miq. var. *japonicum*; Rehder in Journ. Arn. Arb. 15:288 (1934).

KOREA. Hallaisan, vii 1907, *Faurie* 1879; ibid., x 1907, *Taquet* 309; Quelpaert, x 1906, *Faurie* 669; ibid., *Taquet* 1082.

The above specimens in the Léveillé Herbarium are referable to var. *japonicum*. *V. fauriei* Lévl. (1913 non 1911), cited as a synonym of var. *japonicum* by Rehder (l.c.), is not related to this species (see note under *V. koreanicum*).

1285. *Vaccinium japonicum* Miq. var. *sinicum* (Nakai) Rehder in Journ. Arn. Arb. 5:56 (1924), *l.c.* 15:288 (1934); Sleumer in Bot. Jahrb. 71:491 (1940).
V. siccum Lévl. & Van. in Fedde, Rep. Sp. Nov. 9:447 (1911); Lévl., Fl. Kouy-Tchéou 154 (1914).
Agapetes vaccinioidea Lévl. in Bull. Acad. Géog. Bot. 12:251 (1903); & Fl. Kouy-Tchéou 147 (1914).
Oxycoccoides japonicus (Miq.) Nakai var. *sinica* Nakai, Trees and Shrubs of Japan ed. 1:168 (1922).
Hugeria vaccinioidea (Lévl.) Hara in Journ. Jap. Bot. 21:146 (1947).

1286. *Vaccinium koreanum* Nakai, Trees and Shrubs of Japan ed. 1:191, f. 113 (1922).
V. fauriei Lévl. in Fedde, Rep. Sp. Nov. 12:182 (1913)—non Lévl. (1911).
V. japonicum Miq. var. *fauriei* (Lévl.) Sleumer in Bot. Jahrb. 71:490 (1940). KOREA. Kogan prov.: Mts des Diamants, 22 vi 1906, *Faurie* 663 (holo. *V. fauriei*, E).

The type of *V. fauriei* is in fruit but has an articulated calyx-pedicel junction; this character excludes it from sect. *Oxycoccoides* to which *V. japonicum* belongs. The mistaken concept of *V. fauriei* held by both Rehder and Sleumer may result from the Faurie and Taquet material from Korea which is cited above under *V. japonicum*.

1287. *Vaccinium penduliflorum* Gaud. in Freyc., Voy. autour du Monde (Botanique) 11:454, t. 68 (1829); Rock in Fedde, Rep. Sp. Nov. 13:356 (1914).
V. hamatidens Lévl. in Fedde, Rep. Sp. Nov. 10:152 (1911). See addendum. HAWAIIAN (SANDWICH) ISLANDS. Waimea, ii 1910, *Faurie* 699 (type of *V. hamatidens*).

1288. *Vaccinium pubicalyx* Franch.; Rehder in Journ. Arn. Arb. 15:285 (1934).
Myrica matrei Lévl. in Bull. Acad. Géog. Bot. 25:40 (1915); Cat. Pl. Yunnan 177 (1916).

1289. *Vaccinium pubicalyx* Franch. var. *leucocalyx* (Lévl.) Rehder in Journ. Arn. Arb. 15:285 (1934).
Pieris esquirolii Lévl. var. *leucocalyx* Lévl. in Bull. Soc. Bot. Fr. 53:206 (1906) & in Fedde, Rep. Sp. Nov. 3:263 (1907).

1290. *Vaccinium sprengelii* (G. Don) Sleumer in Bot. Jahrb. 71:460 (1940).
Agapetes sprengelii G. Don, Gen. Syst. 3:862 (1834).
Vaccinium mandarinorum Diels in Bot. Jahrb. 29:516 (1901); Rehder in Journ. Arn. Arb. 15:284 (1934).
Pieris declouxii Lévl. in Bull. Acad. Géog. Bot. 12:253 (1903); in Bull. Soc. Bot. Fr. 53:206 (1906), Cat. Pl. Yunnan 87 (1916).
P. longicornu Lévl. & Van. in Bull. Soc. Bot. Fr. 51:291 (1904) & 53:206 (1906); Lévl., Fl. Kouy-Tchéou 149 (1914).

P. esquirolii Lévl. & Van. in Bull. Soc. Bot. Fr. 53:206 (1906)—incl. var. *discolor* Lévl. & Van., *l.c.*; & in Fedde, Rep. Sp. Nov. 3:263 (1907); Lévl. Fl. Kouy-Tchéou 149 (1914).

V. duclouxii (Lévl.) Hand.-Mazz. in Anz. Akad. Wiss. Wien., Math.-Nat. Kl. 42:146 (1925) & Symb. Sin. 7:794 (1936); Rehder in Journ. Arn. Arb. 15:284 (1934), 18:231 (1937).

V. mandarinorum Diels var. *austrosinense* (Hand.-Mazz.) Metcalf in Journ. Arn. Arb. 12:274 (1931); Rehder in Journ. Arn. Arb. 18:231 (1937).

For a more complete synonymy see Sleumer, *l.c.*

1291. Vaccinium triflorum Rehder in Journ. Arn. Arb. 15:287 (1934).

Pieris buxifolia Lévl. & Van. in Bull. Soc. Bot. Fr. 53:203 (1906) & in Fedde, Rep. Sp. Nov. 3:262 (1907).

V. buxifolium (Lévl. & Van.) Lévl. in Fedde, Rep. Sp. Nov. 12:101 (1913), Fl. Kouy-Tchéou 154 (1914) non Hook. f. (1852).

REFERENCE FOR VACCINIACEAE

Sleumer, H. (1940). Vaccinioideen-Studien. Bot. Jahrb. 71:375-510.

ERICACEAE

Where recent information is available, Rehder's treatment has been updated. This applies particularly to *Rhododendron* as a revision of the genus is currently being undertaken at Edinburgh.

1292. Cassiope selaginoides Hook. f. & Thoms.; Lévl., Cat. Pl. Yunnan 86 (1916); Rehder in Journ Arn. Arb. 15:280 (1934).

C. mairei Lévl. in Fedde, Rep. Sp. Nov. 13:342 (1914); Cat. Pl. Yunnan 86 (1916).

1293. Clethra bodinieri Lévl. in Fedde, Rep. Sp. Nov. 10:475 (1912) & Fl. Kouy-Tchéou 147 (1914); Hand.-Mazz. in Sinenzia 5:3 (1934); Rehder in Journ. Arn. Arb. 15:267 (1934), 18:228 (1937); Hu in Journ. Arn. Arb. 41:179 (1960) (incl. var. *lattifolia* Hu and var. *parvifolia* Hu); Sleumer in Bot. Jahrb. 87:62 (1967).

1294. Clethra cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 10:476 (1912), Fl. Kouy-Tchéou 147 (1914); Rehder in Journ. Arn. Arb. 15:267 (1934), 18:228 (1937); Hand.-Mazz., Symb. Sin. 7:760 (1936); Hu in Journ. Arn. Arb. 41:183 (1960); Sleumer in Bot. Jahrb. 87:66 (1967).

C. esquirolii Lévl. in Fedde, Rep. Sp. Nov. 10:475 (1912); Fl. Kouy-Tchéou 147 (1914); Hu in Journ. Arn. Arb. 41:183 (1960).

C. lineata Lévl. in Fedde, Rep. Sp. Nov. 12:534 (1913); Fl. Kouy-Tchéou 148 (1914).

C. longibracteata Sleumer in Fedde, Rep. Sp. Nov. 38:205 (1935).

C. sinica Hao in Fedde, Rep. Sp. Nov. 42:85 (1937).

1295. *Clethra kaipoensis* Lévl. in Fedde, Rep. Sp. Nov. 10:475 (1912), Fl. Kouy-Tchéou 147 (1914); Hand.-Mazz., Symb. Sin. 7:760 (1936); Rehder in Journ. Arn. Arb. 15:268 (1934), 18:228 (1937); Hu in Journ. Arn. Arb. 41:188 (1960); Sleumer in Bot. Jahrb. 87:82 (1967).

C. pinifolia Lévl. in Fedde, Rep. Sp. Nov. 10:476 (1912); Fl. Kouy-Tchéou 148 (1914); Hu in Journ. Arn. Arb. 41:187 (1960).

C. brameriana Hand.-Mazz. in Anz. Akad. Wiss. Wien, Math.-Nat. Kl. 18:7 (1921).

C. kwangsiensis Hu in Journ. Arn. Arb. 41:188 (1960).

C. polyneura Li in Journ. Arn. Arb. 24:449 (1943); Hu in Journ. Arn. Arb. 41:189 (1960).

1296. *Enkianthus chinensis* Franch.; Lévl., Cat. Pl. Yunnan 86 (1916); Rehder in Journ. Arn. Arb. 15:279 (1934), 18:230 (1937).

Zenobia cerasiflora Lévl. in Bull. Acad. Géog. Bot. 12:253 (1903).

Enkianthus cerasiflora (Lévl.) Lévl. in Fedde, Rep. Sp. Nov. 9:448 (1911) & Fl. Kouy-Tchéou 148 (1914).

Bodinierella cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 12:101 (1913) & Fl. Kouy-Tchéou 147 (1914).

E. leveilleanus Craib in Notes R.B.G. Edinb. 11:168 (1919).

1297. *Enkianthus dunnii* Lévl. in Fedde, Rep. Sp. Nov. 9:448 (1911) & Fl. Kouy-Tchéou 148 (1914); Rehder in Journ. Arn. Arb. 15:278 (1934), l.c. 18:230 (1937).

E. cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 9:448 (1911).

E. xanthoxantha Lévl. in Fedde, Rep. Sp. Nov. 9:448 (1911) & Fl. Kouy-Tchéou 148 (1914).

1298. *Gaultheria leucocarpa* Blume, Bijdr. 856 (1826); Sleumer in Reinwardtia 4:178 (1957).

Vaccinium yunnanense Franch. in Journ. de Bot. 9:368 (1895).

Gaultheria laxiflora Diels in Bot. Jahrb. 29:515 (1900).

Pieris fortunati Lévl. in Bull. Soc. Bot. Fr. 54:369 (1907), Fl. Kouy-Tchéou 149 (1914) & Cat. Pl. Yunnan 87 (1916).

P. vaccinum Lévl. in Fedde, Rep. Sp. Nov. 9:448 (1911).

Vaccinium yunnanense Franch. var. *franchetiana* Lévl., Fl. Kouy-Tchéou 155 (1914)—*nom. nud.*

Embelia vaniotii Lévl., Fl. Kouy-Tchéou 285 (1915).

G. yunnanensis (Franch.) Rehder in Journ. Arn. Arb. 15:282 (1934).

1299. *Leucothoë griffithiana* Clarke; Rehder in Journ. Arn. Arb. 18:230 (1937).

Pieris cavaleriei Lévl. & Van. in Bull. Soc. Bot. Fr. 51:292 (1904); Lévl., Fl. Kouy-Tchéou 149 (1914).

Leucothoë sp.; Rehder in Journ. Arn. Arb. 15:280 (1934).

1300. *Lyonia ovalifolia* (Wall.) Drude in Engler & Prantl, Nat. Pflanzenfam. iv, 1:44 (1897); Rehder in Journ. Arn. Arb. 18:230 (1937).

Andromeda ovalifolia Wall. in As. Res. 13:391, t. (1820).

Pieris ovalifolia (Wall.) D. Don in Edinb. New Phil. Journ. 17:159 (1834); Lévl., Fl. Kouy-Tchéou 150 (1914) & Cat. Pl. Yunnan 87 (1916).

P. kouyangensis Lévl. in Bull. Acad. Géog. Bot. 12:253 (1903), in Bull. Soc. Bot. Fr. 53:204 (1906), Fl. Kouy-Tchéou 149 (1914) & Cat. Pl. Yunnan 87 (1916).

P. ulbrichii Lévl. in Bull. Soc. Bot. Fr. 53:205 (1906), in Fedde, Rep. Sp. Nov. 3:262 (1907) & Fl. Kouy-Tchéou 150 (1914) as "ulbrichianda"—sphalm.

P. mairei Lévl. in Bull. Acad. Géog. Bot. 25:21 (1915)—incl. var. *parvifolia* Lévl., l.c.; Cat. Pl. Yunnan 87 (1916).

Vaccinium mairei Lévl. in Bull. Acad. Géog. Bot. 25:21 (1915), Cat. Pl. Yunnan 94 (1916).

Xolisma ovalifolia (Wall.) Rehder in Journ. Arn. Arb. 5:52 (1924), l.c. 15:281 (1934) incl. var. *lanceolata* (Wall.) Rehder, l.c. 15:281 (1934).

Lyonia ovalifolia (Wall.) Drude var. *lanceolata* (Wall.) Hand.-Mazz., Symb. Sin. 7:788 (1936); Rehder in Journ. Arn. Arb. 18:231 (1937).

Lyonia ovalifolia is a very variable species, especially with respect to leaf shape. Var. *lanceolata* which represents an extreme form with narrower leaves and longer calyx lobes, is maintained by Rehder with *Pieris kouyangensis* and *P. mairei* var. *parvifolia* as synonyms. The types of both *P. mairei* sensu stricto and *Vaccinium mairei* appear however to be quite extreme as the two former taxa and both of the latter Rehder refers to *L. ovalifolia* var. *ovalifolia*. Pending further study, I therefore consider it unwise to maintain *L. ovalifolia* var. *lanceolata* as a separate taxon.

1301. *Lyonia villosa* (Wall.) Rehder var. *pubescens* (Franch.) Rehder in Journ. Arn. Arb. 18:281 (1937).

Pieris henryi Lévl. in Bull. Soc. Bot. Fr. 53:204 (1906), in Fedde, Rep. Sp. Nov. 3:262 (1907) & Cat. Pl. Yunnan 87 (1916).

Xolisma villosa (Wall.) Rehder var. *pubescens* (Franch.) Rehder in Journ. Arn. Arb. 15:281 (1934).

1302. *Pieris formosa* (Wall.) D. Don in Edinb. New Phil. Journ. 17:159 (1834); Lévl., Cat. Pl. Yunnan 87 (1916); Rehder in Journ. Arn. Arb. 15:280 (1934).

P. bodinieri Lévl. in Bull. Acad. Géog. Bot. 12:253 (1903), in Bull. Soc. Bot. Fr. 53:205 (1906), Fl. Kouy-Tchéou 149 (1914) & Cat. Pl. Yunnan 87 (1916).

Pieris oligodonta Lévl. = *Maesa japonica* (Thunb.) Moritzi (Myrsinaceae).

1303. *Pyrola corbieri* Lévl. in Bull. Acad. Géog. Bot. 12:254 (1903), Fl. Kouy-Tchéou 150 (1914) & Cat. Pl. Yunnan 87 (1916).

P. decorata Andres in Notes R.B.G. Edinb. 8:7 (1913); Křísa in Bot. Jahrb. 90:502 (1971).

CHINA. Kweichow: environs de Kouy-yang, mont du Collège, dans les bois, 26 v 1898, Bodinier 2286 (holo. E).

The Edinburgh type of *P. corbieri* has well developed flowering and fruiting stems; Křísa (*I.c.*) cites it as '*species obscura*' on the assumption that only inadequate type material was available. *P. alba* Andres is very closely allied and may prove to be conspecific.

1304. Rhododendron bachii Lévl. in Fedde, Rep. Sp. Nov. 12:102 (1913) & Fl. Kouy-Tchéou 152 (1914); Hutchinson in Spec. Rhodod. 561 (1930); Rehder in Journ. Arn. Arb. 15:275 (1934), 18:229 (1937).

Scarcely separable from *R. ovatum* Maxim. with which it is almost certainly conspecific.

1305. Rhododendron bureavii Franch. in Bull. Soc. Bot. Fr. 34:281 (1887).
R. cruentum Lévl. in Fedde, Rep. Sp. Nov. 12:284 (1913) & Cat. Pl. Yunnan 89 (1916); Tagg in Spec. Rhodod. 640 (1930); Rehder in Journ. Arn. Arb. 15:269 (1934).

R. cruentum was previously distinguished from *R. bureavii* Franch. by its shorter (0.5–0.8 cm), fleshy calyx and smaller (2.5–3.2 cm) corolla but these differences are insufficient for specific separation.

1306. Rhododendron cavaleriei Lévl. in Bull. Soc. Agric. Sci. Arts Sarthe 39:48 (1903) & Fl. Kouy-Tchéou 152 (1914); Hutchinson in Spec. Rhodod. 612 (1930); Rehder in Journ. Arn. Arb. 15:276 (1934); Lauener in Notes R.B.G. Edinb. 27:9 (1966).

Reevesia esquirolii Lévl. in Fedde, Rep. Sp. Nov. 13:175 (1914) & Fl. Kouy-Tchéou 405 (1915).

1307. Rhododendron chrysocalyx Lévl. & Van. in Fedde, Rep. Sp. Nov. 2:113 (1906); Lévl., Fl. Kouy-Tchéou 152 (1914); Rehder in Journ. Arn. Arb. 15: 276 (1934), *I.c.* 18:230 (1937).

R. spinigerum Lévl. in Bull. Acad. Géog. Bot. 24:251 (1914) & Cat. Pl. Yunnan 93 (1916).

R. kouytchense Lévl., Fl. Kouy-Tchéou 152 (1914)—*nom. nud.* pro syn. sub *R. chrysocalyx*.

1308. Rhododendron decorum Franch.; Tagg in Spec. Rhodod. 269 (1930); Rehder in Journ. Arn. Arb. 15:270 (1934).

R. franchetianum Lévl. in Bull. Soc. Agric. Sci. Arts Sarthe 39:46 (1903) & Cat. Pl. Yunnan 91 (1916).

R. albicaule Lévl. in Fedde, Rep. Sp. Nov. 13:148 (1914).

R. giraudiasii Lévl., *I.c.* 340 (1914) & Cat. Pl. Yunnan 91 (1916).

Rehder (*I.c.*) noted a possible discrepancy in the type of *R. albicaule* in that Léveillé's description did not 'fit the specimen well' but the type does match *R. decorum*. Léveillé (Fl.-Kouy-Tchéou 152, 1914) treats *R. albicaule* as a synonym of the obviously very different *R. cavaleriei*.

1309. Rhododendron denudatum Lévl. in Fedde, Rep. Sp. Nov. 13:339 (1914) & Cat. Pl. Yunnan 89 (1916); Tagg in Spec. Rhodod. 24 (1930); Rehder in Journ. Arn. Arb. 15:269 (1934), l.c. 18:229 (1937).

R. xanthoneuron Lévl. in Fedde, Rep. Sp. Nov. 13:340 (1914) & Cat. Pl. Yunnan 94 (1916).

Closely allied to *R. floribundum* Franch., which, according to Tagg (l.c.) differs in its smaller leaves, less glossy above and with a white indumentum below. *R. denudatum* is described as having larger leaves, glossy above, with a tawny indumentum below. There is apparently some overlap between the species.

1310. Rhododendron emarginatum Hemsl. & Wilson in Kew Bull. 1910:118 (1910).

R. euonymifolium Lévl. in Fedde, Rep. Sp. Nov. 12:103 (1913), & Fl. Kouy-Tchéou 152 (1914); Hutchinson in Spec. Rhodod. 820 (1930); Rehder in Journ. Arn. Arb. 15:273 (1934).

Hutchinson (l.c.) separates *R. emarginatum* from *R. euonymifolium* on the basis of a supposed leaf shape difference; this is not borne out by the material available at Edinburgh.

1311. Rhododendron esquirolii Lévl. in Fedde, Rep. Sp. Nov. 12:102 (1913); Hutchinson in Spec. Rhodod. 614 (1930); Rehder in Journ. Arn. Arb. 15:276 (1934), 18:229 (1937).

R. vaniotii Lévl. in Fedde, Rep. Sp. Nov. 13:148 (1914).

1312. Rhododendron farinosum Lévl. in Fedde, Rep. Sp. Nov. 13:340 (1914) & Cat. Pl. Yunnan 90 (1916); Tagg in Spec. Rhodod. 25 (1930); Rehder in Journ. Arn. Arb. 15:269 (1934).

1313. Rhododendron fastigiatum Franch. in Bull. Soc. Bot. Fr. 33:234 (1886); M. N. & W. R. Philipson in Notes R.B.G. Edinb. 34:37 (1975).

R. nanum Lévl. in Fedde Rep. Sp. Nov. 12:285 (1913) & Cat. Pl. Yunnan 92 (1916); Tagg in Rhodod. Soc. Notes 3:230 (1928) & Rehder in Journ. Arn. Arb. 15:273 (1934) pro syn. sub *R. polycladum* Franch.

1314. Rhododendron feddei Lévl. in Fedde, Rep. Sp. Nov. 12:102 (1913), Fl. Kouy-Tchéou 152 (1914); Hutchinson in Spec. Rhodod. 611 (1930); Rehder in Journ. Arn. Arb. 15:278 (1934).

The type specimen is too poor for proper identification; it is probably referable to an already described species in series *Stamineum*.

1315. Rhododendron fuchsiiifolium Lévl. in Fedde, Rep. Sp. Nov. 13:148 (1914) & Fl. Kouy-Tchéou 152 (1914); Tagg in Spec. Rhodod. 852 (1930); Rehder in Journ. Arn. Arb. 15:276 (1934).

1316. *Rhododendron irroratum* Franch.; Tagg in Spec. Rhodod. 346 (1930); Rehder in Journ. Arn. Arb. 18:229, 361 (1937).

R. maximowiczianum Lévl. in Bull. Soc. Agric. Sci. Arts Sarthe 39:47 (1903) & Cat. Pl. Yunnan 92 (1916); Rehder in Journ. Arn. Arb. 15:278 (1934).

1317. *Rhododendron lacteum* Franch.; Tagg in Spec. Rhodod. 381 (1930); Rehder in Journ. Arn. Arb. 15:269 (1934).

R. mairei Lévl. in Fedde, Rep. Sp. Nov. 12:285 (1913) & Cat. Pl. Yunnan 92 (1916).

1318. *Rhododendron liliiflorum* Lévl. in Fedde, Rep. Sp. Nov. 12:102 (1913) & Fl. Kouy-Tchéou 153 (1914); Hutchinson in Notes R.B.G. Edinb. 12:33, f. 5 (1919), in Spec. Rhodod. 493 (1930); Rehder in Journ. Arn. Arb. 15:271 (1934).

1319. *Rhododendron lutescens* Franch.; Hutchinson in Spec. Rhodod. 789 (1930); Rehder in Journ. Arn. Arb. 15:271 (1934); Fang, Icon. Pl. Omeiens. 1:pl. 35 (1942).

R. lemeei Lévl. in Fedde, Rep. Sp. Nov. 13:339 (1914) & Cat. Pl. Yunnan 92 (1916).

R. blinii Lévl. in Bull. Acad. Géog. Bot. 25:21 (1915) & Cat. Pl. Yunnan 88 (1916).

1320. *Rhododendron lyi* Lévl. in Fedde, Rep. Sp. Nov. 13:147 (1914) & Fl. Kouy-Tchéou 153 (1914); Hutchinson in Spec. Rhodod. 467 (1930); Rehder in Journ. Arn. Arb. 15:271 (1934).

1321. *Rhododendron missioniarium* Lévl. in Bull. Acad. Géog. Bot. 25:20 (1915) & Cat. Pl. Yunnan 92 (1916); Hutchinson in Spec. Rhodod. 468 (1930); Rehder in Journ. Arn. Arb. 15:271 (1934).

Close to and possibly conspecific with *R. ciliicalyx* Franch.

1322. *Rhododendron mucronatum* (Bl.) G. Don; Rehder in Spec. Rhodod. 92 (1930); Rehder in Journ. Arn. Arb. 15:278 (1934).

R. argyi Lévl. in Fedde, Rep. Sp. Nov. 12:102 (1913) & in Mem. Real Acad. Cienc. Artes Barcelona, ser. 3, 12:550 (1916).

1323. *Rhododendron mucronulatum* Turcz.; Nakai, Pl. Sylv. Kor. 8:35, t. 10 (1919) & in Bull. Nat. Sci. Mus. Tokyo no. 31:82 (1952); Rehder in Jouin. Arn. Arb. 15:275 (1934); Tagg in Spec. Rhodod. 227 (1930).

R. dauricum L. var. *mucronulatum* (Turcz.) Maxim. in Mém. Acad. Sci. St. Pétersb. sér. 7, 16(9):44 (1870).

R. taquetii Lévl. in Fedde, Rep. Sp. Nov. 12:101 (1913).

1324. *Rhododendron racemosum* Franch.; Hutchinson in Spec. Rhodod. 829 (1930); Rehder in Journ. Arn. Arb. 15:274 (1934).

R. moutsouense Lévl. in Fedde, Rep. Sp. Nov. 13:148 (1914) & Cat. Pl. Yunnan 92 (1916).

R. crenatum Lévl. in Bull. Acad. Géog. Bot. 25:20 (1915) & Cat. Pl. Yunnan 89, f. 22 (1916).

1325. *Rhododendron rex* Lévl. in Fedde, Rep. Sp. Nov. 13:340 (1914) & Cat. Pl. Yunnan 93 (1916); Tagg in Spec. Rhodod. 250 (1930); Rehder in Journ. Arn. Arb. 15:270 (1934), 18:229 (1937).

1326. *Rhododendron rigidum* Franch. in Bull. Soc. Bot. Fr. 33:233 (1886).

R. caeruleum Lévl. in Fedde, Rep. Sp. Nov. 12:284 (1913) & Cat. Pl. Yunnan 89 (1916); Rehder in Journ. Arn. Arb. 15:273 (1934), 18:229, 361 (1937).

R. rosquameum Balf. f. in Notes R.B.G. Edinb. 10:137 (1917).

R. erianthrum Lévl. apud Hutchinson in Spec. Rhodod. 798 (1930).

1327. *Rhododendron rubiginosum* Franch. in Bull. Soc. Bot. Fr. 34:282 (1887).

R. leclerei Lévl. in Fedde, Rep. Sp. Nov. 12:284 (1913) & Cat. Pl. Yunnan 92 (1916); Hutchinson in Spec. Rhodod. 326 (1930); Rehder in Journ. Arn. Arb. 15:271 (1934).

1328. *Rhododendron siderophyllum* Franch.; Hutchinson in Spec. Rhodod. 809 (1930); Rehder in Journ. Arn. Arb. 15:272 (1934).

R. jahandiezii Lévl. in Fedde, Rep. Sp. Nov. 13:340 (1914) & Cat. Pl. Yunnan 92 (1916); Tagg in Spec. Rhodod. 852 (1930).

R. leucandrum Lévl. in Fedde, Rep. Sp. Nov. 12:103 (1913) & Fl. Kouy-Tchéou 153 (1914); Rehder in Journ. Arn. Arb. 15:272 (1934).

1329. *Rhododendron souliei* Franch.; Tagg in Spec. Rhodod. 732 (1930); Rehder in Journ. Arn. Arb. 15:270 (1934).

R. cordatum Lévl. in Bull. Acad. Géog. Bot. 24:282 (1914) & Cat. Pl. Yunnan 89, f. 21 (1916).

1330. *Rhododendron spinuliferum* Franch. in Journ. de Bot. 9:399 (1895).

R. duclouxii Lévl. in Bull. Soc. Agric. Sci. Arts Sarthe 39:49 (1903) & Cat. Pl. Yunnan 90 (1916); Hutchinson in Spec. Rhodod. 606 (1930).

R. fuchsiaeflora Lévl. in Fedde, Rep. Sp. Nov. 12:284 (1913) & Cat. Pl. Yunnan 91 (1916).

Rehder (in Journ. Arn. Arb. 15:274, 1934) followed Handel-Mazzetti in treating both *R. duclouxii* and *R. fuchsiaeflora* as hybrids between *R. spiciferum* and *R. spinuliferum* Franch., but there is no evidence to suggest that this is so.

1331. *Rhododendron stamineum* Franch.; Hutchinson in Spec. Rhodod. 623 (1930); Rehder in Journ. Arn. Arb. 15:275 (1934); Fang, Icon. Pl. Omeiens. 1:pl. 18 (1942).

R. cavaleriei Lévl. var. *chaffanjonii* Lévl. in Bull. Soc. Agric. Sci. Arts Sarthe 39:49 (1903) & Fl. Kouy-Tchéou 152 (1914).

'*R. chaffanjonii* Lévl.' in Hutchinson in Spec. Rhodod. 623 (1930) *pro. syn.*

1332. *Rhododendron tatsienense* Franch.; Rehder in Journ. Arn. Arb. 15:272 (1934).

R. tapelouense Lévl. in Bull. Acad. Géog. Bot. 25:20 (1915) & Cat. Pl. Yunnan 93 (1916); Tagg in Spec. Rhodod. 853 (1930).

1333. *Rhododendron umbelliferum* Lévl. in Fedde, Rep. Sp. Nov. 12:102 (1913), Fl. Kouy-Tchéou 153 (1914) & Cat. Pl. Yunnan 94 (1916); Tagg in Spec. Rhodod. 853 (1930); Rehder in Journ. Arn. Arb. 15:277 (1934).

1334. *Rhododendron yedoense* Maxim. var. *poukhanense* (Lévl.) Nakai; Rehder in Spec. Rhodod. 109 (1930); Rehder in Journ. Arn. Arb. 15:277 (1934); Hara, Enum. Sperm. Jap. 1:57 (1948); Nakai in Bull. Nat. Sci. Mus. Tokyo no. 31: 82 (1952); Ohwi, Fl. Jap. (Engl. ed.) 700 (1965).

R. poukhanense Lévl. in Fedde, Rep. Sp. Nov. 5:100 (1908); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31:76 (1911) & in Fl. Sylv. Kor. 8:47, t. 18 (1919).

R. hallaisanense Lévl. in Fedde, Rep. Sp. Nov. 12:101 (1913).

1335. *Rhododendron yunnanense* Franch. in Bull. Soc. Bot. Fr. 33:232 (1886).

R. bodinieri Franch. in Journ. de Bot. 12:257 (1898); Hutchinson in Spec. Rhodod. 794 (1930); Rehder in Journ. Arn. Arb. 15:272 (1934).

R. rubro-punctatum Lévl. & Van. in Fedde, Rep. Sp. Nov. 9:448 (1911)—non Hayata (1913); Lévl., Fl. Kouy-Tchéou 153 (1914).

R. seguini Lévl. in Fedde, Rep. Sp. Nov. 13:148 (1914).

REFERENCES FOR ERICACEAE

Tagg, H. F. (1928). Notes on the Rhododendrons described by Léveillé. *Rhodod. Soc. Notes* 3:227-231.

Stevenson, J. B. (1930) ed. 1.; (1947) ed. 2. *The Species of Rhododendron*.

EPACRIDACEAE

1336. *Cyathodes imbricata* Stschegl. var. *volcanica* Lévl. in Fedde, Rep. Sp. Nov. 10:155 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Hawaii, Maunakea, 3000 m, vii 1909, *Faurie* 442, 445 (typi—n.v.).

ADDENDUM

Since this paper went to press, the following article has been brought to the author's attention. Skottsberg, G. (1927). Artemisia, Scaevola, Santalum and Vaccinium of Hawaii. *B.P. Bish. Mus. Bull.* 43:1-89. The following changes are therefore necessary to entries 1281 and 1287: both *Vaccinium fauriei* and *V. hamatidens* should be treated as synonyms of *V. calycinum* Smith (in Rees, *Cycl.* 39, no. 7, 1819).